

## EAST Search History

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--|------------------|---------|------------------|
| L1    | 18    | ("2953177"   "3122043"   "3291168"   "3757622"   "3797338"   "3871260"   "4329895"   "4651790"   "4813319"   "5435217"   "5522292"   "5557997"   "5924346"   "RE30598"   "RE35086").PN. OR ("6745658").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/06/14 09:50 |
| L3    | 25    | re30598  | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/06/14 09:50 |
| L4    | 16    | ("3179348"   "3926299"   "4828195"   "5226611"   "5242525"   "5259910"   "Re30598").PN. OR ("5759326").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/06/14 10:08 |
| L5    | 8286  | 83/13,407,409,483,277,272,266,255,155,174,155.1,401,676,411.6,168,411.5,411.3.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/06/14 10:10 |
| L6    | 29197 | trim\$4 and cut\$4 and rolls   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/14 10:09 |
| L7    | 9269  | 83/13,407,409,483,277,272,266,255,155,174,155.1,401,676,411.6,168,411.5,411.3.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/06/14 10:10 |
| L8    | 227   | 6 and 7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/14 10:10 |
| L9    | 14    | ("3213731"   "3292470").PN. OR ("3905260").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/06/14 10:15 |
| L10   | 2     | ("2236150").URPN.  | USPAT  | OR               | OFF     | 2007/06/14 10:26 |
| L11   | 5     | ("2047021").URPN.  | USPAT  | OR               | OFF     | 2007/06/14 10:30 |

## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| L12 | 14  | ("1482323"   "2047021"   "2321735"   "2592019"   "2929289"   "3478632"   "4360095"   "4385536").PN. OR ("4733587").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 10:31 |
| L13 | 14  | ("1482323"   "2047021"   "2321735"   "2592019"   "2929289"   "3478632"   "4360095"   "4385536").PN. OR ("4733587").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 11:01 |
| L14 | 0   | papaer same log same trim\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 11:02 |
| L15 | 102 | paper same log same trim\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 11:02 |
| L16 | 1   | ("2002/0000400").URPN.   | USPAT  | OR | OFF | 2007/06/14 11:06 |
| L17 | 11  | ("3454142"   "4033862").PN. OR ("4265361").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 11:14 |
| L18 | 10  | "4329895"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 11:14 |
| L19 | 18  | ("0995491"   "2535261"   "3288009"   "3369582"   "3538802"   "4184397"   "4254678").PN. OR ("4329895").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 11:20 |
| L20 | 18  | "455617"   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 11:20 |
| L21 | 0   | wo0251601  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/14 11:20 |
| L22 | 0   | wo0251601  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/06/14 11:21 |

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|     |       |   |  |    |     |                  |
|-----|-------|---|--|----|-----|------------------|
| L23 | 0     | wo0172483   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/06/14 11:42 |
| L25 | 138   | "83"/\$.ccls. and log and trim and<br>ends and cut\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 12:59 |
| L26 | 41860 | yoshihiko.inv.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 12:59 |
| L27 | 150   | yoshihiko.inv. and paper and<br>cylinder              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 13:19 |
| L28 | 0     | jp054094187   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 13:20 |
| L29 | 0     | jp54094187  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 13:20 |
| L30 | 0     | "54094187"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14 13:45 |

## EAST Search History

|    |     |   |  |    |     |                  |
|----|-----|---|--|----|-----|------------------|
| S1 | 14  | ("1813340" "2959847" "2979979" "4329895" "4558617").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 14:02 |
| S2 | 1   | "83"/\$.ccls. and rewind\$4 and trim\$4 and cut\$4 and stor and divid\$4 and (paper or web or film) and roll  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 14:03 |
| S3 | 6   | "83"/\$.ccls. and rewind\$4 and trim\$4 and cut\$4 and stor\$4 and divid\$4 and (paper or web or film) and roll   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 14:05 |
| S4 | 406 | rewind\$4 and trim\$4 and cut\$4 and stor\$4 and (paper or web or film) and roll  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 14:10 |
| S5 | 39  | ("2015877" "3174369" "3596547" "4172399" "4216686" "4277998" "4292867" "4579025" "4676129" "5367930" "5943239" "5964024" "6142050" "6269719" "0871828").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 16:07 |
| S6 | 261 | perini.inv.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 16:14 |
| S7 | 30  | ("3250484"   "3850381"   "4487377"   "5137225").PN. OR ("5603467").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/13 16:15 |
| S8 | 4   | ("1813340").URPN.   | USPAT  | OR | OFF | 2007/06/13 16:18 |

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|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S9  | 24  | ("1813340"   "2414390"   "3358536"   "3403832"   "3762622"   "3822621"   "4253363"   "4318555"   "4512506"   "4664006"   "4686876"   "4750661"   "5113732"   "5147080"   "5241887"   "5356125"   "5454523").PN. OR ("5655427").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/13 16:19 |
| S10 | 18  | ("1640090"   "1838011"   "3245302"   "3577889"   "3605542"   "3888150"   "4438754"   "4506575"   "4864906"   "5101703").PN. OR ("5367930").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/13 16:27 |
| S11 | 11  | ("2756172"   "3499210").PN. OR ("3577889").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/13 16:35 |
| S12 | 19  | rewind\$4 same trim\$4 same stor\$4 same cut\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 16:37 |
| S13 | 599 | roll same trim\$4 same stor\$4 same cut\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 17:04 |
| S14 | 784 | "83"/\$.ccls. and rolls same trim\$4 same ends   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 17:05 |
| S15 | 36  | "83"/\$.ccls. and rewind\$4 and rolls same trim\$4 same ends   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/13 17:05 |
| S16 | 14  | ("3213731"   "3292470").PN. OR ("3905260").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/13 17:09 |
| S17 | 26  | ("0638461"   "3049954"   "3905260"   "4329895"   "4347771"   "4579025").PN. OR ("5038647").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/06/13 17:25 |

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|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S18 | 26 | ("0638461"   "3049954"   "3905260"   "4329895"   "4347771"   "4579025").PN. OR ("5038647").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:28 |
| S19 | 28 | ("3213731").URPN.  | USPAT                        | OR | OFF | 2007/06/13 17:29 |
| S20 | 14 | ("3213731"   "3292470").PN. OR ("3905260").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:33 |
| S21 | 28 | ("3213731").URPN.  | USPAT                        | OR | OFF | 2007/06/13 17:34 |
| S22 | 26 | ("0638461"   "3049954"   "3905260"   "4329895"   "4347771"   "4579025").PN. OR ("5038647").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:35 |
| S23 | 96 | ("3123315"   "3179348"   "3389592"   "3727853"   "3823887"   "3853279"   "3856226"   "4055313"   "4123011"   "4238082"   "4265409"   "4280669"   "4327877"   "4422588"   "4448363"   "4487377"   "4487378"   "4508283"   "4529141"   "4575018"   "4588138"   "4635867"   "4695005"   "4697755"   "4721266"   "4723724"   "4783015"   "4798350"   "4828195"   "4856725"   "4875632"   "4892119"   "4909452"   "4919351"   "4931130"   "4932599"   "4962897"   "4988051"   "5031850"   "5038647"   "5040738"   "5104055"   "5137225"   "5150848"   "5150850"   "5226611"   "5248106"   "5249756"   "5267703"   "5271137"   "5285977"   "5312059"   "5335871"   "5344091"   "5357833"   "5368252"   "5368253"   "5370335"   "5383622"   "5387284"   "5402960"   "5407509"   "5409178"   "5453070"   "5467936"   "5492287"   "5497959"   "5505402"   "5505405"   "5509336"   "5513478"   "5518200"   "5518490"   "5522292"   "5524677"   "5538199"   "5542622"   "5544841"   "5577684"   "5603467"   "5620151"   "5632456"   "5639045"   "5639046"   "Re35304").PN. OR ("5772149").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:36 |

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|     |      |  |                              |    |     |                  |
|-----|------|--|------------------------------|----|-----|------------------|
| S24 | 96   | ("3123315"   "3179348"   "3389592"<br>  "3727853"   "3823887"  <br>"3853279"   "3856226"   "4055313"<br>  "4123011"   "4238082"  <br>"4265409"   "4280669"   "4327877"<br>  "4422588"   "4448363"  <br>"4487377"   "4487378"   "4508283"<br>  "4529141"   "4575018"  <br>"4588138"   "4635867"   "4695005"<br>  "4697755"   "4721266"  <br>"4723724"   "4783015"   "4798350"<br>  "4828195"   "4856725"  <br>"4875632"   "4892119"   "4909452"<br>  "4919351"   "4931130"  <br>"4932599"   "4962897"   "4988051"<br>  "5031850"   "5038647"  <br>"5040738"   "5104055"   "5137225"<br>  "5150848"   "5150850"  <br>"5226611"   "5248106"   "5249756"<br>  "5267703"   "5271137"  <br>"5285977"   "5312059"   "5335871"<br>  "5344091"   "5357833"  <br>"5368252"   "5368253"   "5370335"<br>  "5383622"   "5387284"  <br>"5402960"   "5407509"   "5409178"<br>  "5453070"   "5467936"  <br>"5492287"   "5497959"   "5505402"<br>  "5505405"   "5509336"  <br>"5513478"   "5518200"   "5518490"<br>  "5522292"   "5524677"  <br>"5538199"   "5542622"   "5544841"<br>  "5577684"   "5603467"  <br>"5620151"   "5632456"   "5639045"<br>  "5639046"   "Re35304").PN. OR<br>("5772149").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:36 |
| S25 | 38   | ("1894253"   "2775410"   "2870340"<br>  "3856226"   "3869095"  <br>"4133495"   "4256269"   "4588138"<br>  "4667890"   "4695005"  <br>"4807825"   "4828195"   "5226611"<br>  "5257898"   "Re28353"  <br>"Re30598").PN. OR ("5497959").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:41 |
| S26 | 14   | ("1300010"   "3098552"   "3717239"<br>  "3757927"   "4033447").PN. OR<br>("5257898").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/13 17:55 |
| S27 | 487  | 242/532.3,533.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/06/13 17:55 |
| S28 | 6310 | 83/13,407,409,483,277,272,266,<br>255,155,174,155.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/06/13 17:56 |

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|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S29 | 6585  | trim same end and rolls  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 17:56 |
| S30 | 6797  | S27 or S28   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 17:56 |
| S31 | 85    | S30 and S29  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 18:00 |
| S32 | 96304 | "242"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 18:00 |
| S33 | 179   | S29 and S32  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 18:09 |
| S34 | 7     | "5829332"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 18:10 |
| S35 | 18    | "5522292"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/06/13 18:10 |
| S36 | 18    | ("2953177"   "3122043"   "3291168"<br>  "3757622"   "3797338"  <br>"3871260"   "4329895"   "4651790"<br>  "4813319"   "5435217"  <br>"5522292"   "5557997"   "5924346"<br>  "RE30598"   "RE35086").PN. OR<br>("6745658").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/06/13 18:13 |
| S37 | 20    | "5522292"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/06/13 20:18 |
| S38 | 1     | "09747594"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/06/13 20:18 |